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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/800,157	03/12/2004	Richard J. Curtice	HES.2004.IP.013436U1	6787	
1	7590 12/12/2005	EXAMINER			
JOHN W. W	USTENBERG	BATES, ZAKIYA W			
HALLIBURT	ON ENERGY SERVIC	ES, INC.			
2600 SOUTH SECOND STREET			ART UNIT	PAPER NUMBER	
P. O. BOX 1431			3676	3676	
DUNCAN, O	K 73536-0440				

DATE MAILED: 12/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Zaklya W. Bates 3676		10/800,157	CURTICE ET AL.				
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions for ine may be available under the provisions of 3 CPR 1138(s) in no event, however, may reply be limited from the provision of th	Office Action Summary	Examiner	Art Unit				
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1) Responsive to communication(s) filed on	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any						
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-42 is/are pending in the application. 4a) Of the above claim(s)	Status						
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Page 2

Application/Control Number: 10/800,157

Art Unit: 3676

DETAILED ACTION

Specification

- 1. The abstract of the disclosure is objected to because the term "the present invention" is stated in lines 1 and 3. Correction is required. See MPEP § 608.01(b).
- 2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-42 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5,343,968, US 4,064,941, or US 4,449,856.

USS 5,343,968 discloses an apparatus that includes, with respect to claims 1 and 15, a downhole tool for sealing a void in a subterranean formation comprising: an inner tubing 20 having at least one port 23 disposed at a bottom end through which a

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first component of a sealant mixture is delivered downhole; an outer tubing 30 disposed around the inner tubing thereby forming an annulus therebetween through which a second component of the sealant mixture is delivered downhole, the outer tubing having a closed bottom end, which extends below the bottom end of the inner tubing; a mixing chamber formed between the bottom end of the inner tubing and the bottom end of the outer tubing into which the first and second components of the sealant mixture combine to form the sealant mixture; at least one discharge port formed at the bottom end of the outer tubing for discharging the sealant mixture from the mixing chamber; and means for orientating the downhole tool in a borehole. See the entire document, especially Fig. 1 and col. 6, lines 42-66. With respect to claims 28, 31, 35, and 39, the reference discloses a method of sealing a void in a subterranean formation comprising the steps of: mixing a first cementitious component and an aqueous-based fluid in a first mixer to form an intermediate cement composition; mixing the intermediate cement composition and a second cementitious component in a second mixer to form a first component of a sealant mixture; pumping the first component of the sealant mixture through an inner tubing, the inner tubing having at least one port disposed at a bottom end through which the first component is discharged downhole from the inner tubing; pumping a second component of the sealant mixture through an annulus formed between an outer tubing disposed around the inner tubing, wherein the annulus delivers the second component of the sealant mixture downhole, combining the first component of the sealant mixture and the second component of the sealant mixture in a mixing chamber formed between the bottom end of the inner tubing and a closed bottom end of the outer tubing, which

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extends below the bottom end of the inner tubing; and discharging the sealant mixture from the mixing chamber into the void. With respect to the depending claims, the reference teaches the limitations as claimed.

US 4,064,941 discloses an apparatus that includes, with respect to claims 1 and 15, a downhole tool for sealing a void in a subterranean formation comprising: an inner tubing 66 having at least one port (at 79) disposed at a bottom end through which a first component of a sealant mixture is delivered downhole; an outer tubing 60 disposed around the inner tubing thereby forming an annulus therebetween through which a second component of the sealant mixture is delivered downhole, the outer tubing having a closed bottom end, which extends below the bottom end of the inner tubing; a mixing chamber 80 formed between the bottom end of the inner tubing and the bottom end of the outer tubing into which the first and second components of the sealant mixture combine to form the sealant mixture; at least one discharge port 90 formed at the bottom end of the outer tubing for discharging the sealant mixture from the mixing chamber; and means for orientating the downhole tool in a borehole. See the entire document, especially Figs. 5-7, col. 6, line 62- col. 7, line 22. With respect to claims 28, 31, 35, and 39, the reference discloses a method of sealing a void in a subterranean formation comprising the steps of: mixing a first cementitious component and an aqueous-based fluid in a first mixer to form an intermediate cement composition; mixing the intermediate cement composition and a second cementitious component in a second mixer to form a first component of a sealant mixture; pumping the first component of the sealant mixture through an inner tubing, the inner tubing having at

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least one port disposed at a bottom end through which the first component is discharged downhole from the inner tubing; pumping a second component of the sealant mixture through an annulus formed between an outer tubing disposed around the inner tubing, wherein the annulus delivers the second component of the sealant mixture downhole, combining the first component of the sealant mixture and the second component of the sealant mixture in a mixing chamber formed between the bottom end of the inner tubing and a closed bottom end of the outer tubing, which extends below the bottom end of the inner tubing; and discharging the sealant mixture from the mixing chamber into the void. With respect to the depending claims, the reference teaches the limitations as claimed.

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US 4,449,856 discloses an apparatus that includes, with respect to claims 1 and 15, a downhole tool for sealing a void in a subterranean formation comprising: an inner tubing 26 having at least one port 46 disposed at a bottom end through which a first component of a sealant mixture is delivered downhole; an outer tubing 22A disposed around the inner tubing thereby forming an annulus therebetween through which a second component of the sealant mixture is delivered downhole, the outer tubing having a closed bottom end, which extends below the bottom end of the inner tubing; a mixing chamber 48 formed between the bottom end of the inner tubing and the bottom end of the outer tubing into which the first and second components of the sealant mixture combine to form the sealant mixture; at least one discharge port 12 formed at the bottom end of the outer tubing for discharging the sealant mixture from the mixing chamber; and means for orientating the downhole tool in a borehole. See the

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entire document, especially Figs. 5-6, and col. 5, line 49- col. 6, line 68. With respect to claims 28, 31, 35, and 39, the reference discloses a method of sealing a void in a subterranean formation comprising the steps of: mixing a first cementitious component and an aqueous-based fluid in a first mixer to form an intermediate cement composition; mixing the intermediate cement composition and a second cementitious component in a second mixer to form a first component of a sealant mixture; pumping the first component of the sealant mixture through an inner tubing, the inner tubing having at least one port disposed at a bottom end through which the first component is discharged downhole from the inner tubing; pumping a second component of the sealant mixture through an annulus formed between an outer tubing disposed around the inner tubing, wherein the annulus delivers the second component of the sealant mixture downhole, combining the first component of the sealant mixture and the second component of the sealant mixture in a mixing chamber formed between the bottom end of the inner tubing and a closed bottom end of the outer tubing, which extends below the bottom end of the inner tubing; and discharging the sealant mixture from the mixing chamber into the void. With respect to the depending claims, the reference teaches the limitations as claimed.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zakiya W. Bates (formerly Zakiya Walker) whose

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telephone number is (571) 272-7039. The examiner can normally be reached on Monday-Friday, 8:30 AM-5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on (571) 272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Zakiya W. Bates Primary Examiner Art Unit 3676

zb December 8, 2005